UK Subject to change

Document Ref:
FCD3240-I/80252

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USER'S MANUAL

Ferm cordless impact drill 32,4 V

FCD-3240-I

Ferm®

Art.nr. 718900
Screwfix art.nr. 80252

UK English

CORDLESS IMPACT DRILL FCD-3240-I

USERS MANUAL

TECHNICAL SPECIFICATIONS

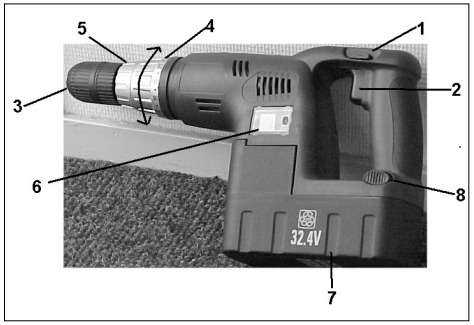
Voltage	32,4 V
Voltage battery charger	230 V~
Frequency battery charger	50 Hz
Capacity battery	1.9 Ah (NiCd)
Charging time	2 hours
2-Speed gearbox, position 1	0 - 350/min
Position 2	0 - 1150/min
Impact frequency	5600-18400/min
Machine weight (incl. 1 battery)	3.85 kg
Lpa Sound pressure level	86.6 dB(A)
Lwa Sound power level	97.6 dB(A)
Vibration	6.65 m/s²

PACKAGE CONTENTS

1 Cordless drill
1 32,4V battery
1 Battery charger
1 Carry case
1 Instruction manual
1 Guarantee card

Check the machine, loose parts and accessories for transport damage.

PRODUCT INFORMATION



1 Direction switch
2 On/off (variable speed) switch
3 Chuck
4 Torque setting ring
5 Impact sleeve
6 Battery power level indicator
7 Battery
8 Battery release buttons

SAFETY INSTRUCTIONS

The following pictograms are used in these instructions for use:

Denotes risk of personal injury, loss of life or damage to the tool in case of non-observance of the instructions in this manual.

Denotes risk of electric shock.

Carefully read this manual before using the machine. Make sure that you know how the machine functions and how to operate it. Maintain the machine in accordance with the instructions to make sure it functions properly. Keep this manual and the enclosed documentation with the machine.

Ferm products are manufactured to high quality standards they are safe and fit for purpose at time of sale, but all tools can be dangerous if the correct precautions are not taken. Always follow these instructions, do not carry out the operation until you are sure you can do so in safety. Remember to consider the work environment for safe operation as well as safety for tool use.

Warning! When using electric tools, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury. Read all these instructions before attempting to operate this product. Save these instructions for future reference.

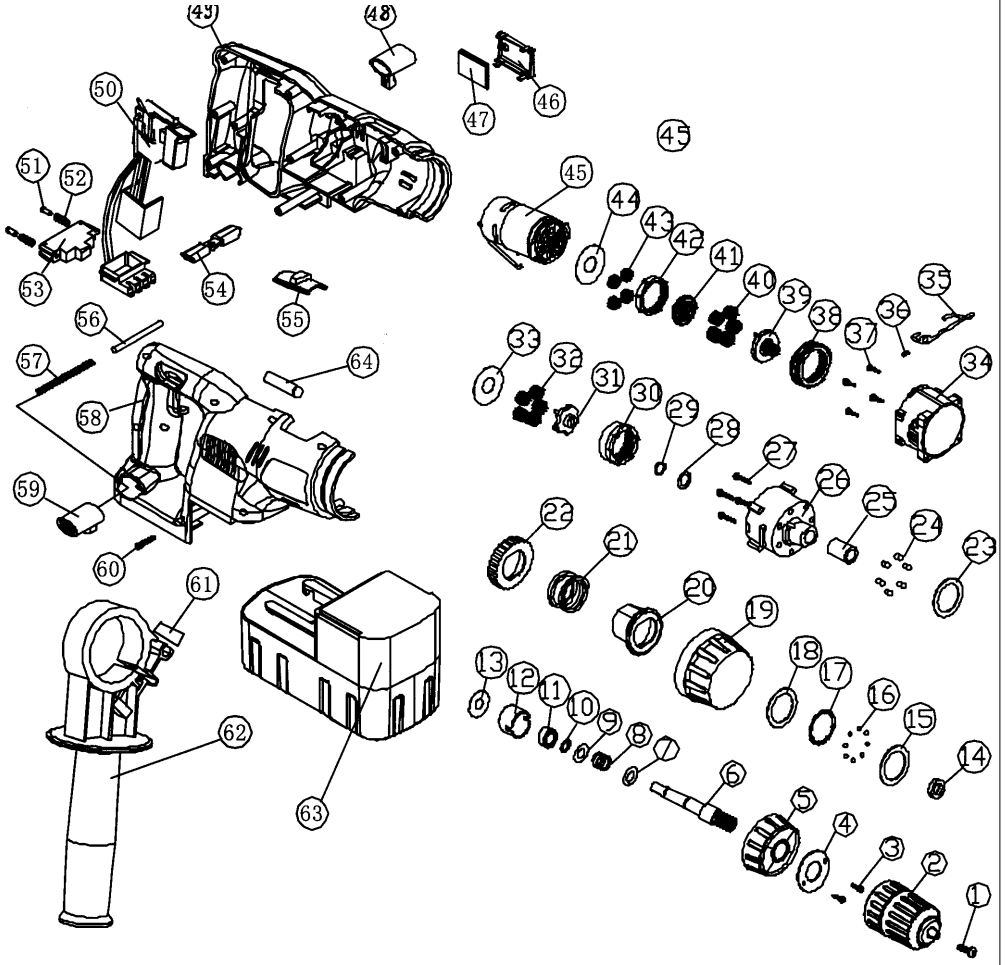
PERSONAL SAFETY

Use Personal Protection Safety Equipment
Protect eyes with safety glasses or goggles note: the use of safety protective eyewear without the CE mark can lead to serious injury if the lens breaks. A suitable dust mask should be worn if cutting; drilling or sanding is dusty, in particular chipboard or MDF.
Approved safety footwear and headgear should worn as appropriate, for example on building works or when heavy weights are involved. Wear a suitable apron to protect against sparks/debris. Wear earplugs or ear defenders.

Dress properly
Do not wear loose clothing or jewellery. It can get caught in moving parts. Non-skid footwear is recommended when working out doors. Wear protective hair covering to contain long hair

Stay alert
Watch what you are doing Use common sense. Do not operate tools when tired or after taking alcohol or prescription/ non-prescription drugs.

EXPLODED VIEW



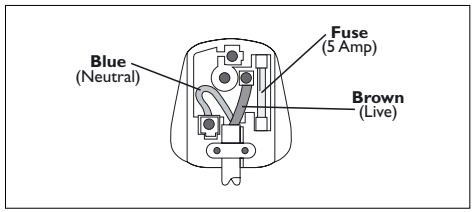
SPARE PARTS LIST FCD-3240-I

REF NR.	DESCRIPTION	FERM NR.
1	LEFT BOLT DRILL CHUCK	
2	DRILL CHUCK	
45	MOTOR	
50	SWITCH	
54	DIRECTION SETTING BUTTON	
61 + 62	IMPACT HANDLE COMPLETE	
63	BATTERY PACK	
-	BATTERY CHARGER	

ELECTRICAL INFORMATION

This product is complete with a pre-wired mains plug, it is double insulated in accordance with EN 60335 – no earth wire is required
If the plug needs replacing follow these instructions.

Wire correctly
The wires in the mains lead are coloured in the following way:
BLUE -Neutral
BROWN -Live



Securing wires
Secure wires carefully and firmly to the correct terminals. Secure the mains cable in the plug cord grip firmly
Fit a 5-amp fuse. If a 13amp (BS1363) plug is used a (BS 1362) ASTA approved 5-amp fuse must be fitted.

Recycle/Dispose of old plug and cable
Prevent inadvertent connection to socket and risk of electric shock.
If in doubt always consult a Qualified Electrician.

ENVIRONMENT

Recycle the packaging according to the identification marks on it. At the end of the product or its accessories life please recycle where facilities exist.

NiCd batteries are recyclable, take them to a local recycling station or phone the Helpline for current advice on recycling.

Helpline
For any questions relating to operational or safety matters contact:
Ferm Customer Helpline on: **0870 735**
Monday-Friday **8am – 6pm**
Saturday **9am – 1 pm**

GUARANTEE

The guarantee conditions can be found on the separately enclosed guarantee card.

CE DECLARATION OF CONFORMITY (UK)

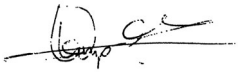
We declare under our sole responsibility that this product is in conformity with the following standards or standardized documents

EN50260-1, EN50260-2-1, EN50260-2-2, EN60335-1, EN60335-2-29, EN55014-1, EN55014-2, EN61000-3-2, EN61000-3-3.

in accordance with the regulations.

98/37/EEC
73/23/EEC
89/336/EEC

from 01-07-2003
GENEMUIDEN NL
W. Kamphof
Quality department



OPERATIONAL SAFETY

Warning! *The battery is normally sealed but in event of the battery being damaged be aware that it contains acid, if you get any on your skin or in your eyes wash the affected parts with water immediately and seek medical advice as soon as possible.*

Warning! *Do not short circuit the battery it will cause it to overheat, catch fire or even explode. To avoid this happening:*
Do not connect wires to the terminals of the battery.
Do not expose the battery or drill to water, rain or damp atmospheres.
Ensure that no metal objects (coins, nails etc) are caught in the battery housing or battery socket in the drill.
Do not throw or dispose of the battery into water or fire.

Concentrate
Routine and repetition can lead to mistakes. Remember that a slight lack of concentration can result in serious injuries in a split second.

Keep work area clean
Cluttered areas and benches invite injuries.

Consider the work environment
Do not expose power tools to rain or use them in damp or wet locations. Keep work area well lit. Do not use power tools in the presence of flammable liquids, vapours or gases.

Guard against electric shock
This unit and its charger contain dangerous voltages. Use a RCD (residual current device) to provide protection against electrical shock. Prevent body contact with grounded surfaces (e.g. pipes, radiator, ranges or refrigerators).

Keep children and pets away
Do not let children or pets come into contact with the tool, extension cable or work area.

Do not force the tool
It will work better and safer at the rate for which it was intended.

Use the right tool
Do not force small tools or attachments to do the job of a heavy-duty tool. Do not use tools for purposes for which they were not intended; for example do not use a circular saw for cutting trees or logs.

Secure Work
Use clamps or a vice to hold work. It is safer than using your hand and it frees both hands to operate the tool

Do not over-reach
Keep a proper footing and balance at all times.

Disconnect tools from power supply
Always remove the battery and set the direction switch to lock position. Always switch off and unplug from the power supply before making adjustments or inserting batteries into charger unit.

Remove adjusting keys and wrenches
Ensure that they are removed from the tool before switching on.

Avoid unintentional starting
Do not carry plugged in tools with your finger on the switch.

Extension cables
Use only three core earthed extension cables suitable for the power input of the charger. Plug into an earthed socket only.
When using a cable reel unwind it fully. Do not use long extension cables.

Outdoors use
Do not use in rain or damp conditions.

Connect a dust extraction device
Whenever there are facilities for fitting a dust or fume extraction system, make sure it is connected and used.

Use recommended accessories
The use of any other accessory or attachment other than recommended in the instructions or catalogue may present a risk of personal injury.

Warning! *Before using this drill check carefully for hazards, for example when drilling walls make sure you do not contact with electrical wires, water pipes or asbestos. If asbestos is present, cease operations and contact your local council for advice.*

USING THE COMBI DRILL

BEFORE OPERATING

- Check that the voltage marked on the charger is suitable for use with your mains supply.
- The output voltage on the charger is suitable to use with the drill battery.
- The battery voltage is suitable for the drill.

Note: The battery supplied with the drill is not fully charged.

CHARGING THE BATTERY

Refer to Fig. A.

- Place the battery charger (9) on a level surface, check it is connected correctly and the air vents on the charger are not blocked, then slide the battery (7) onto the charger. Make sure the terminals on the battery tongue line up with the + and – terminals on the charger. The red light (10) on the charger indicates the battery is being fast charged. When charging is finished the red light will go out and the green light (11) will light, indicating that the battery is ready for use
- The first charge will take 2-3 hours; the battery will reach maximum performance after it has been charged 4-5 times. (Normal charge time is approximately 2 hours.)
- Only use the charger between +100 and +40° C in dry conditions.
- Do not fully discharge the battery, in use. The battery should be re-charged when significant loss of power is incurred.

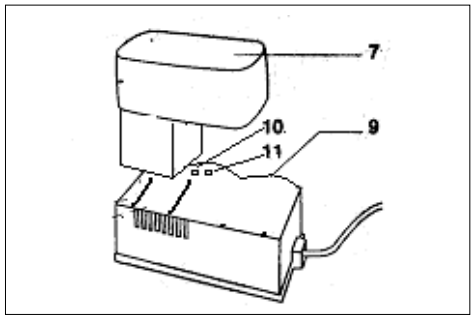


Fig. A

INSERTING & REMOVING THE BATTERY FROM THE DRILL

Refer to Fig. B.

- Make sure the direction switch (1) is in the middle (lock) position so that the drill does not start unexpectedly. Slide the battery (7) onto the terminals on the underside of the drill; it can only go in one way and will click when in place. To remove battery, push the tabs (8) on either side of the drill handle with finger and thumb and slide out of drill.

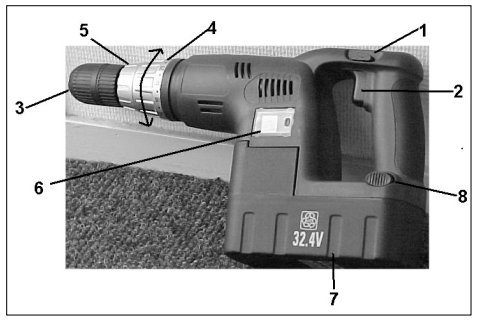


Fig. B

OPERATION

To switch ON/OFF

Make sure the direction switch (1) is set to left or right position, then press the trigger switch (2)

To lock trigger

Release the trigger switch and put the direction switch (1) in the central position

Speed control

Adjust the drills speed by more or less pressure on the trigger-switch (2).

Direction of rotation

Change the direction of rotation by setting the direction switch (1) to left or right, this must be done when the drill is **not** rotating.

Drill or impact setting

Set sleeve (5 clockwise to "drill" position and anticlockwise to "impact or hammer setting"

INSERTING AND REMOVING ACCESSORIES

- Remove battery and set direction switch in middle (lock) position.
- Put the accessory into the chuck (3) as far as it will go, then tighten firmly anticlockwise by hand only – hold one section of the chuck and turn the other to tighten.
- Remove accessories by turning the front part of the chuck clockwise while holding the other. Keep your finger off the trigger-switch during these operations.
- Insert battery and unlock direction switch to make drill ready for use.

Use as a screwdriver

- Remove battery and set direction switch in middle (lock) position.
- Set sleeve (5) to drill setting then insert a suitable screwdriver bit into the chuck. Set the torque ring (4) to desired setting (1 is low and 20 is high). Insert battery and unlock direction switch to make drill ready for use.
- Start at low setting and increase setting until the correct setting for the job is found.
- Use the direction switch set to the right to insert screws and to the left to remove them.
- **Do not use as a screwdriver with the torque ring set in drill position, this will damage the drill.**

Use as a drill

- Remove battery and set direction switch in middle (lock) position.
- Set the sleeve (5) to drill setting. Insert a drill bit into chuck and set the torque ring (4) to drilling position.
- Check the direction switch is set to the correct direction, normally to "R" for right hand operation.
- Insert battery and unlock direction switch to make drill ready for use

Use as an impact drill

For drilling hard material like stone or concrete.

- Remove battery and set direction switch in middle (lock) position.
- Set the sleeve (5) to impact/hammer setting. Insert a suitable hard tipped masonry bit into chuck.
- Check the direction switch is set to the correct direction, normally to "R" for right hand operation.
- Insert battery and unlock direction switch to make drill ready for use.

MAINTENCE, CARE AND REPAIR

CLEANING

Clean by brushing with a soft brush

Do not use flammable liquids to clean the drill – never use solvents such as petrol, ammonia or alcohol; they damage the plastic parts and present a fire risk.

FAULTS

Switch OFF immediately at the mains plug and remove the plug when:

- The plug or cable is damaged.
- The charger is not operating as it should.
- You smell or see smoke caused by scorched insulation in the machine or charger.

Overheating

The ventilation slots are blocked with dirt. Clean with dry cloth.

The machine does not start when switched on

- Change the battery for a fully charged one.
- Check that the battery charger is working, if the charging light does not come on; change the fuse in the plug.
- Take to your Ferm Dealer for repair.

The motor is defective

Take to your Ferm Dealer.

MAINTAIN TOOLS WITH CARE

Keep the tool clean for better and safer performance.

Store the accessories properly in accordance with the maker's instructions.

Follow instructions for changing accessories. Inspect tool and extension cables periodically and if damaged, have them repaired by a qualified person or authorised service body. Keep handles free from oil or grease. Keep the ventilation slots clean to prevent motor overheating.

Check for damaged parts

Do not use a tool with damaged parts, before further use a damaged tool must be carefully checked by a qualified person to determine that it will operate properly. Check for alignment of moving parts, binding or breakage of parts, mounting and other conditions that may affect its operation. A damaged part or guard should be properly repaired by an authorised service centre, unless indicated otherwise in the instruction manual. Have defective switches replaced by an authorised service centre. Do not use a tool if the switch does not turn on and off. For advice please contact the help line.

Have your tool repaired by an expert

This appliance is manufactured in accordance with relevant safety standards. Only experts must carry out repairing of electrical appliances, otherwise considerable danger for the user may result.

Storing tools

When not in use tools should be stored in the dry, out of reach of children.